

WHAT IS CLAIMED IS:

1. An interface apparatus for inputting
information from an external apparatus, comprising:

5 a first circuit for, when the inputted information
is information which was changed within a predetermined
time, invalidating said information; and

a second circuit for, when the inputted
information is not matched with a protocol, skipping
said information.

10 2. An apparatus according to claim 1, wherein
said first circuit comprises:

a data change detector for outputting a reset in
the case where there is a change in said inputted
15 information;

a timer for outputting a trigger after the elapse
of a predetermined time after said reset was inputted;
and

a data latch for inputting said trigger and
20 fetching the information.

3. An apparatus according to claim 1, wherein
said external apparatus forms the information such that
same information does not continue.

25 4. An apparatus according to claim 1, wherein the
information which is inputted from said external

apparatus is inputted to said first circuit and the information fetched by said first circuit is inputted to said second circuit.

5 5. A printer comprising:

 a first circuit for, when inputted information is information which was changed within a predetermined time, invalidating said information;

10 a second circuit for, when said inputted information is not matched with a protocol, skipping said information; and

 a printer engine for printing the information fetched by said first circuit, that is, the information which was determined by said second circuit that it is
15 matched with the protocol.

 6. An information processing method comprising:

 a first step of, when information inputted from an external apparatus is information which was changed
20 within a predetermined time, invalidating said information; and

 a second step of, when the information validated in said first step is not matched with a protocol, skipping said information.

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 7. A method according to claim 6, wherein said first step comprises:

a data change detecting step of outputting a reset in the case where there is a change in said inputted information;

5 a step of outputting a trigger after the elapse of a predetermined time after said reset was inputted; and

a step of inputting said trigger and fetching the information.

10 8. A method according to claim 6, wherein said external apparatus forms the information such that same information does not continue.

15 9. A method according to claim 6, wherein said first step is executed by a glitch noise filter and said second step is executed by a logical filter.

20 10. A printing method comprising:
a first step of, when inputted information is information which was changed within a predetermined time, invalidating said information;
a second step of, when said inputted information is not matched with a protocol, skipping said information; and

25 a step of printing the information fetched by said first step, that is, the information which was determined by said second step that it is matched with the protocol.